## INTERNATIONAL SEARCH REPORT

Internation Application No PCT/JP 03/00972

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a. classification of subject matter IPC 7 H02M3/00									
According to International Patent Classification (IPC) or to both national classification and IPC									
B. FIELDS SEARCHED									
Minimum documentation searched (classification system followed by classification symbols)									
IPC 7 HO2M									
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched									
Electronic d	ata base consulted during the international search (name of data bas	e and, where practical, search terms used	)						
EPO-Internal									
C. DOCUMENTS CONSIDERED TO BE RELEVANT									
Category °	Citation of document, with indication, where appropriate, of the rele	vant passages	Relevant to claim No.						
X	US 4 635 175 A (PROBST HARALD) 6 January 1987 (1987-01-06) column 3, line 1 - line 3; figure column 4, line 54 - line 68	1–5							
X	US 6 144 565 A (LETHELLIER PATRIC 7 November 2000 (2000-11-07)  COlumn 3, line 1 - line 3; figure column 5, line 1 - line 3 column 3, line 38 - line 39		1-5						
Further documents are listed in the continuation of box C.  Patent family members are listed in annex.									
° Special ca	ategories of cited documents:	*T* later document published after the inte	ernational filing date						
"A" document defining the general state of the art which is not cited to understand the principle or theory underlying the									
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filling date  cannot be considered novel or cannot be considered to  "L" document which may throw doubts on priority claim(s) or  involve an inventive step when the document is taken alone									
which is cited to establish the publication date of another establishment of particular relevance; the claimed invention									
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other means  "P" document published prior to the international filing date but later than the priority date claimed  "As document member of the same patent family  "&" document member of the same patent family									
Date of the actual completion of the international search  Date of mailing of the international search report									
3	30 October 2003	05/11/2003							
Name and	mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer							
•	NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Imbernon, L							

## INTERNATIONAL SEARCH REPORT

Information on patent family members

Internation Application No
PCT/JP 03/00972

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 4635175	A	06-01-1987	DE EP	3369445 D1 0087593 A2	26-02-1987 07-09-1983
US 6144565	A	07-11-2000	NONE		

Form PCT/ISA/210 (patent family annex) (July 1992)